

PK



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P#15

RAW SEQUENCE LISTING

DATE: 10/03/2002 8.6

PATENT APPLICATION: US/09/674,743B

TIME: 10:37:48

Input Set : A:\pf0509usn_subseqlist.txt

Output Set: N:\CRF4\10032002\I674743B.raw

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MAR 28 2003

TECH CENTER 1600/2900

1 <110> APPLICANT: HILLMAN, Jennifer L.
2 BANDMAN, Olga
3 LAL, Preeti
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9 BAUGHN, Mariah R.
10 AZIMZAI, Yalda
11 LU, Dyung Aina M.
13 <120> TITLE OF INVENTION: Human Transcriptional Regulator Molecules
15 <130> FILE REFERENCE: PF-0509 USN
17 <140> CURRENT APPLICATION NUMBER: 09/674,743B
C--> 18 <141> CURRENT FILING DATE: 2002-09-23
20 <150> PRIOR APPLICATION NUMBER: PCT/US99/09935
21 <151> PRIOR FILING DATE: 1999-05-04
23 <150> PRIOR APPLICATION NUMBER: 60/084,254
24 <151> PRIOR FILING DATE: 1998-05-04
26 <150> PRIOR APPLICATION NUMBER: 60/095,827
27 <151> PRIOR FILING DATE: 1998-08-07
29 <150> PRIOR APPLICATION NUMBER: 60/102,745
30 <151> PRIOR FILING DATE: 1998-10-02
32 <160> NUMBER OF SEQ ID NOS: 130
33 <170> SOFTWARE: PERL Program
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36 <211> LENGTH: 155
37 <212> TYPE: PRT
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41 <221> NAME/KEY: misc_feature
42 <223> OTHER INFORMATION: Incyte ID No: 001106CD1
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46 1 5 10 15
47 Ser Cys Phe Leu Arg Leu Gly Arg Ser Thr Leu Leu Glu Leu Glu
48 20 25 30
49 Pro Ala Gly Arg Pro Cys Ser Gly Arg Thr Arg His Arg Ala Leu
50 35 40 45
51 His Arg Arg Leu Val Ala Cys Val Thr Val Ser Ser Arg Arg His
52 50 55 60
53 Arg Lys Glu Ala Gly Arg Gly Arg Ala Glu Ser Phe Ile Ala Val
54 65 70 75

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Input Set : A:\pf0509usn_subseqlist.txt

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55 Gly Met Ala Ala Pro Ser Met Lys Glu Arg Gln Val Cys Trp Gly
56      80      85      90
57 Ala Arg Asp Glu Tyr Trp Lys Cys Leu Asp Glu Asn Leu Glu Asp
58      95     100     105
59 Ala Ser Gln Cys Lys Lys Leu Arg Ser Ser Phe Glu Ser Ser Cys
60     110     115     120
61 Pro Gln Gln Trp Ile Lys Tyr Phe Asp Lys Arg Arg Asp Tyr Leu
62     125     130     135
63 Lys Phe Lys Glu Lys Phe Glu Ala Gly Gln Phe Glu Pro Ser Glu
64     140     145     150
65 Thr Thr Ala Lys Ser
66     155

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68 <210> SEQ ID NO: 2

69 <211> LENGTH: 152

70 <212> TYPE: PRT

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73 <220> FEATURE:

74 <221> NAME/KEY: misc_feature

75 <223> OTHER INFORMATION: Incyte ID No: 004586CD1

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80 Leu Leu Val Tyr Asp Met Asn Leu Arg Glu Met Glu Asn Tyr Glu
81      20      25      30
82 Lys Ile Tyr Lys Glu Ile Glu Cys Ser Ile Ala Gly Ala His Glu
83      35      40      45
84 Lys Ile Ala Glu Cys Lys Lys Gln Ile Leu Gln Ala Lys Arg Ile
85      50      55      60
86 Arg Lys Asn Arg Gln Glu Tyr Asp Ala Leu Ala Lys Val Ile Gln
87      65      70      75
88 His His Pro Asp Arg His Glu Thr Leu Lys Glu Leu Glu Ala Leu
89      80      85      90
90 Gly Lys Glu Leu Glu His Leu Ser His Ile Lys Glu Ser Val Glu
91      95     100     105
92 Asp Lys Leu Glu Leu Arg Arg Lys Gln Phe His Val Leu Leu Ser
93     110     115     120
94 Thr Ile His Glu Leu Gln Gln Thr Leu Glu Asn Asp Glu Lys Leu
95     125     130     135
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97     140     145     150

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98 Lys Pro

101 <210> SEQ ID NO: 3

102 <211> LENGTH: 304

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104 <213> ORGANISM: Homo sapiens

106 <220> FEATURE:

107 <221> NAME/KEY: misc_feature

108 <223> OTHER INFORMATION: Incyte ID No: 052927CD1

110 <400> SEQUENCE: 3

RAW SEQUENCE LISTING

DATE: 10/03/2002

PATENT APPLICATION: US/09/674,743B

TIME: 10:37:48

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Output Set: N:\CRF4\10032002\I674743B.raw

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112   1           5           10           15
113 Ala Ala His Arg Phe Phe Cys His Phe Cys Lys Gly Glu Val Ser
114           20           25           30
115 Pro Lys Leu Pro Glu Tyr Ile Cys Pro Arg Cys Glu Ser Gly Phe
116           35           40           45
117 Ile Glu Glu Val Thr Asp Asp Ser Ser Phe Leu Gly Gly Gly Gly
118           50           55           60
119 Ser Arg Ile Asp Asn Thr Thr Thr Thr His Phe Ala Glu Leu Trp
120           65           70           75
121 Gly His Leu Asp His Thr Met Phe Phe Gln Asp Phe Arg Pro Phe
122           80           85           90
123 Leu Ser Ser Ser Pro Leu Asp Gln Asp Asn Arg Ala Asn Glu Arg
124           95          100          105
125 Gly His Gln Thr His Thr Asp Phe Trp Gly Ala Arg Pro Pro Arg
126          110          115          120
127 Leu Pro Leu Gly Arg Arg Tyr Arg Ser Arg Gly Ser Ser Arg Pro
128          125          130          135
129 Asp Arg Ser Pro Ala Ile Glu Gly Ile Leu Gln His Ile Phe Ala
130          140          145          150
131 Gly Phe Phe Ala Asn Ser Ala Ile Pro Gly Ser Pro His Pro Phe
132          155          160          165
133 Ser Trp Ser Gly Met Leu His Ser Asn Pro Gly Asp Tyr Ala Trp
134          170          175          180
135 Gly Gln Thr Gly Leu Asp Ala Ile Val Thr Gln Leu Leu Gly Gln
136          185          190          195
137 Leu Glu Asn Thr Gly Pro Pro Pro Ala Asp Lys Glu Lys Ile Thr
138          200          205          210
139 Ser Leu Pro Thr Val Thr Val Thr Gln Glu Gln Val Asp Met Gly
140          215          220          225
141 Leu Glu Cys Pro Val Cys Lys Glu Asp Tyr Thr Val Glu Glu Glu
142          230          235          240
143 Val Arg Gln Leu Pro Cys Asn His Phe Phe His Ser Ser Cys Ile
144          245          250          255
145 Val Pro Trp Leu Glu Leu His Asp Thr Cys Pro Val Cys Arg Lys
146          260          265          270
147 Ser Leu Asn Gly Glu Asp Ser Thr Arg Gln Ser Gln Ser Thr Glu
148          275          280          285
149 Ala Ser Ala Ser Asn Arg Phe Ser Asn Asp Ser Gln Leu His Asp
150          290          295          300
151 Arg Trp Thr Phe
154 <210> SEQ ID NO: 4
155 <211> LENGTH: 178
156 <212> TYPE: PRT
157 <213> ORGANISM: Homo sapiens
159 <220> FEATURE:
160 <221> NAME/KEY: misc_feature
161 <223> OTHER INFORMATION: Incyte ID No: 082843CD1
163 <400> SEQUENCE: 4

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RAW SEQUENCE LISTING

DATE: 10/03/2002

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TIME: 10:37:48

Input Set : A:\pf0509usn_subseqlist.txt

Output Set: N:\CRF4\10032002\I674743B.raw

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164 Met Pro Lys Ala Lys Gly Lys Thr Arg Arg Gln Lys Phe Gly Tyr
165 1 5 10 15
166 Ser Val Asn Arg Lys Arg Leu Asn Arg Asn Ala Arg Arg Lys Ala
167 20 25 30
168 Ala Pro Arg Ile Glu Cys Ser His Ile Arg His Ala Trp Asp His
169 35 40 45
170 Ala Lys Ser Val Arg Gln Asn Leu Ala Glu Met Gly Leu Ala Val
171 50 55 60
172 Asp Pro Asn Arg Ala Val Pro Leu Arg Lys Arg Lys Val Lys Ala
173 65 70 75
174 Met Glu Val Asp Ile Glu Glu Arg Pro Lys Glu Leu Val Arg Lys
175 80 85 90
176 Pro Tyr Val Leu Asn Asp Leu Glu Ala Glu Ala Ser Leu Pro Glu
177 95 100 105
178 Lys Lys Gly Asn Thr Leu Ser Arg Asp Leu Ile Asp Tyr Val Arg
179 110 115 120
180 Tyr Met Val Glu Asn His Gly Glu Asp Tyr Lys Ala Met Ala Arg
181 125 130 135
182 Asp Glu Lys Asn Tyr Tyr Gln Asp Thr Pro Lys Gln Ile Arg Ser
183 140 145 150
184 Lys Ile Asn Val Tyr Lys Arg Phe Tyr Pro Ala Glu Trp Gln Asp
185 155 160 165
186 Phe Leu Asp Ser Leu Gln Lys Arg Lys Met Glu Val Glu
187 170 175
189 <210> SEQ ID NO: 5
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191 <212> TYPE: PRT
192 <213> ORGANISM: Homo sapiens
194 <220> FEATURE:
195 <221> NAME/KEY: misc_feature
196 <223> OTHER INFORMATION: Incyte ID No: 322349CD1
198 <400> SEQUENCE: 5
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200 1 5 10 15
201 Val Gly Ala Trp Leu Lys Leu Gly Asn Gly Gln Ala Thr Ser Met
202 20 25 30
203 Val Gln Leu Gln Gly Gly Arg Phe Leu Met Gly Thr Asn Ser Pro
204 35 40 45
205 Asp Ser Arg Asp Gly Glu Gly Pro Val Arg Glu Ala Thr Val Lys
206 50 55 60
207 Pro Phe Ala Ile Asp Ile Phe Pro Val Thr Asn Lys Asp Phe Arg
208 65 70 75
209 Asp Phe Val Arg Glu Lys Lys Tyr Arg Thr Glu Ala Glu Met Phe
210 80 85 90
211 Gly Trp Ser Phe Val Phe Glu Asp Phe Val Ser Asp Glu Leu Arg
212 95 100 105
213 Asn Lys Ala Thr Gln Pro Met Lys Ser Val Leu Trp Trp Leu Pro
214 110 115 120
215 Val Glu Lys Ala Phe Trp Arg Gln Pro Ala Gly Pro Gly Ser Gly

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DATE: 10/03/2002

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TIME: 10:37:48

Input Set : A:\pf0509usn_subseqlist.txt

Output Set: N:\CRF4\10032002\I674743B.raw

216		125		130		135
217	Ile Arg Glu Arg	Leu Glu His Pro Val	Leu His Val Ser Trp	Asn		
218		140		145		150
219	Asp Ala Arg Ala	Tyr Cys Ala Trp Arg	Gly Lys Arg Leu Pro	Thr		
220		155		160		165
221	Glu Glu Glu Trp	Glu Phe Ala Ala Arg	Gly Gly Leu Lys Gly	Gln		
222		170		175		180
223	Val Tyr Pro Trp	Gly Asn Trp Phe Gln	Pro Asn Arg Thr Asn	Leu		
224		185		190		195
225	Trp Gln Gly Lys	Phe Pro Lys Gly Asp	Lys Ala Glu Asp Gly	Phe		
226		200		205		210
227	His Gly Val Ser	Pro Val Asn Ala Phe	Pro Ala Gln Asn Asn	Tyr		
228		215		220		225
229	Gly Leu Tyr Asp	Leu Leu Gly Asn Val	Trp Glu Trp Thr Ala	Ser		
230		230		235		240
231	Pro Tyr Gln Ala	Ala Glu Gln Asp Met	Arg Val Leu Arg Gly	Ala		
232		245		250		255
233	Ser Trp Ile Asp	Thr Ala Asp Gly Ser	Ala Asn His Arg Ala	Arg		
234		260		265		270
235	Val Thr Thr Arg	Met Gly Asn Thr Pro	Asp Ser Ala Ser Asp	Asn		
236		275		280		285
237	Leu Gly Phe Arg	Cys Ala Ala Asp Ala	Gly Arg Pro Pro Gly	Glu		
238		290		295		300
239	Leu					
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245	<213> ORGANISM: Homo sapiens					
247	<220> FEATURE:					
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249	<223> OTHER INFORMATION: Incyte ID No: 397663CD1					
251	<400> SEQUENCE: 6					
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254	Trp Pro Gln Lys	Pro Gln Cys His Gly	Ser Gly Val Ile His	Gly		
255		20	25	30		
256	Asn Ser Pro Leu	Cys Pro Asn Trp Gln	Val Phe Pro Leu Val	Arg		
257		35	40	45		
258	Pro His Arg Gln	Ser Arg Gln Leu Gln	Val Pro Glu Pro Ile	Gln		
259		50	55	60		
260	Ala Gly Gly Pro	Ser Cys Gly His His	Ser Pro Trp Arg Leu	Phe		
261		65	70	75		
262	Leu Pro Gln Arg	Lys Ser Gln Val Ser	Arg Gly Gly Arg Leu	Ala		
263		80	85	90		
264	Cys Leu Leu Ser	Tyr Ala Gly Leu Ser	Gly Asp Asp Pro Asp	Leu		
265		95	100	105		
266	Gly Pro Ala His	Val Val Thr Val Ile	Ala Arg Gln Arg Gly	Asp		
267		110	115	120		
268	Gln Leu Val Pro	Phe Ser Thr Lys Ser	Gly Asp Thr Leu Leu	Leu		

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/674,743BDATE: 10/03/2002
TIME: 10:37:49Input Set : A:\pf0509usn_subseqlist.txt
Output Set: N:\CRF4\10032002\I674743B.rawPlease Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:23; Xaa Pos. 335
Seq#:38; Xaa Pos. 12,57
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Seq#:73; N Pos. 12,15,17,1675,1687,1702,1709,1712,1715,1717,1722,1732,1733
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Seq#:77; N Pos. 1106,1112,1137,1164,1165,1168,1171,1173,1181,1187,1190,1191
Seq#:77; N Pos. 1194,1201,1202,1215,1248,1249,1258,1259,1297,1298,1309,1310
Seq#:77; N Pos. 1311
Seq#:78; N Pos. 1057
Seq#:81; N Pos. 1280,1283,1284,1285,1288,1289,1290,1291,1294,1295,1298,1299
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Seq#:88; N Pos. 1429
Seq#:98; N Pos. 2340
Seq#:99; N Pos. 4,6,20,65,114,127,140,149,162,188,204,216,221,232,274,282
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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/674,743B

DATE: 10/03/2002
TIME: 10:37:49

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Output Set: N:\CRF4\10032002\I674743B.raw

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Seq#:113; N Pos. 531
Seq#:123; N Pos. 10,18,20,29,37,44,56,59,64,69,74,77,79,87,93,97,110,111
Seq#:123; N Pos. 112
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VERIFICATION SUMMARY

DATE: 10/03/2002

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Input Set : A:\pf0509usn_subseqlist.txt

Output Set: N:\CRF4\10032002\I674743B.raw

L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:330
L:2086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:2092 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:45
L:3671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:1020
L:3672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:1080
L:3714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:1440
L:3715 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:1500
L:3716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:1560
L:3717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:1620
L:3948 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0
L:3975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:1620
L:3976 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:1680
L:3977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:1740
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L:4167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:1020
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L:4282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:1320
L:4324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:1320
L:4325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:1380
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L:4328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:1560
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L:4439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:2280
L:4461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:3600
L:4462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:3660
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L:4634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:1380
L:5117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:2280
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L:5140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:240
L:5141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:300
L:5303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103 after pos.:0
L:5304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103 after pos.:60
L:5307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103 after pos.:240
L:5650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:1920
L:5652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:2040
L:5653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:2100

VERIFICATION SUMMARY

DATE: 10/03/2002

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Input Set : A:\pf0509usn_subseqlist.txt

Output Set: N:\CRF4\10032002\I674743B.raw

L:5765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:480
L:6154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:0
L:6155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:60